

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/002789

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl' D06M15/03, D06M11/65, D06M13/292, D06M11/56, D06M16/00,
D06M11/71

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl' D06M15/03, D06M11/65, D06M13/292, D06M11/56, D06M16/00,
D06M11/71

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 54-160900 A (Nippon Oil Co., Ltd.), 19 December, 1979 (19.12.79), Claim 1; examples 2, 3 (Family: none)	1-7
Y	JP 1237 B1 (Teikoku Seima Kabushiki Kaisha), 20 March, 1940 (20.03.40), Full text (Family: none)	1-13
Y	JP 57-163477 A (Asama Chemical Co., Ltd.), 07 October, 1982 (07.10.82), Page 2, upper right column, line 15 to lower left column, line 6 & US 4820520 A1	1-13

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search
04 June, 2004 (04.06.04)

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 57-163478 A (Asama Chemical Co., Ltd.), 07 October, 1982 (07.10.82), Claim 1 & US 4820520 A1	1-13
A	JP 2002-510756 A (Nobozaimusu A/S), 09 April, 2002 (09.04.02), Claim 1 & WO 99/51808 A	1-13
A	JP 58-220877 A (Mitsubishi Rayon Co., Ltd.), 22 December, 1983 (22.12.83), Claim 1; example 1 (Family: none)	1-13
A	JP 2002-521462 A (Minnesota Mining & Mfg. Co.), 16 July, 2002 (16.07.02), Claims 1 to 3 & WO 00/06210 A	1-13